

PrysmiO BLE Antenna Specification

Antenna Overview

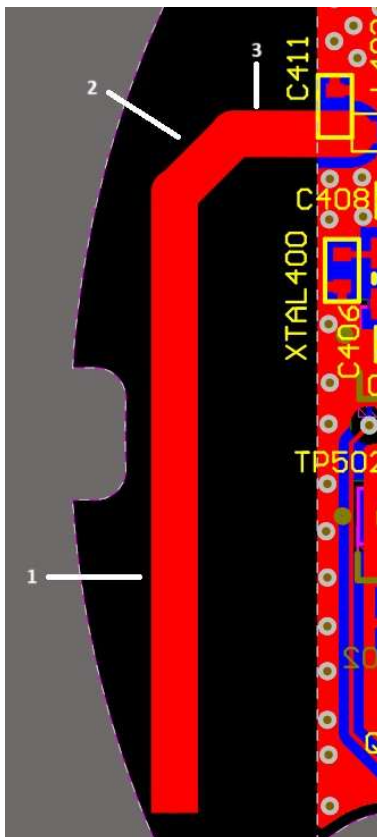
1. Type: PCB on-board antenna
2. Manufacturer: Shenzhen Zhongyi Maotai Circuit Board Co., Ltd.
3. Address: Building 1, Jiangbian Industrial Zone, Songgang Sub-district, Bao'an District, Shenzhen City
4. High stability in Temperature / Humidity Change

Applications

1. 2.4GHz ISM band RF applications
2. Only for use within PrysmiO device

Construction

Antenna is within PCB design



1. 16.45mm*1.27mm

2. 2.20mm*1.27mm

3. 3.60mm*1.27mm

Design Information

Specification

Working Frequency Range

2402 to 2480MHz

Rated RF Output Power

less than 10 dBm EIRP

Gain (dBi)

> +2.7 dBi

Operating voltage

Nominal Voltage is 3.8 VDC

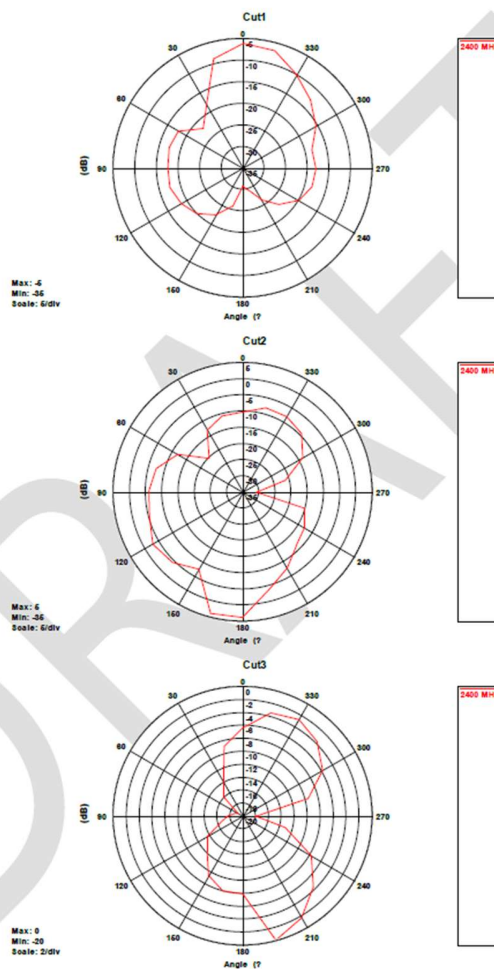
Operation Temperature

+10℃ to +50℃

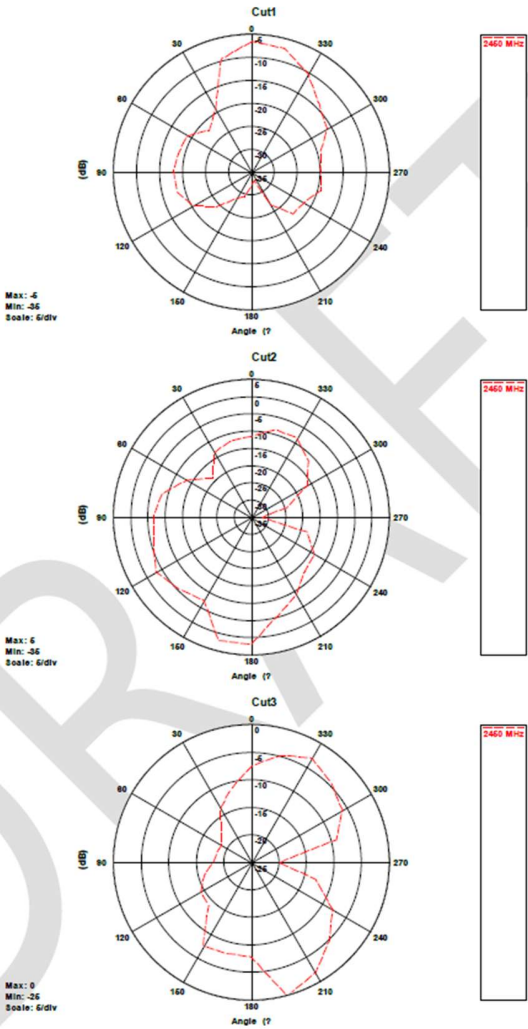
Radiation Pattern

2-D Antenna Pattern

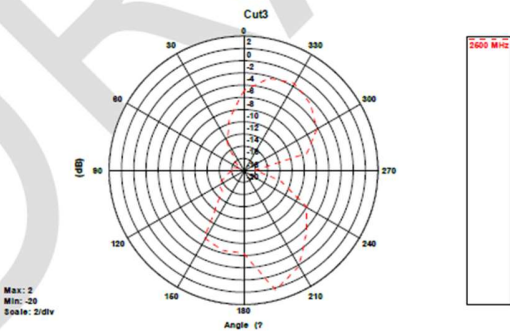
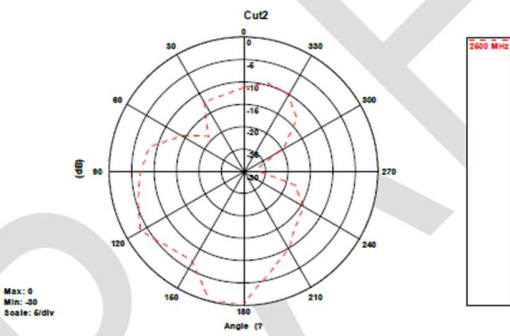
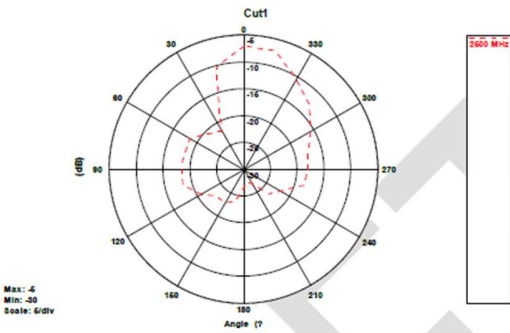
2400MHz



2450MHz

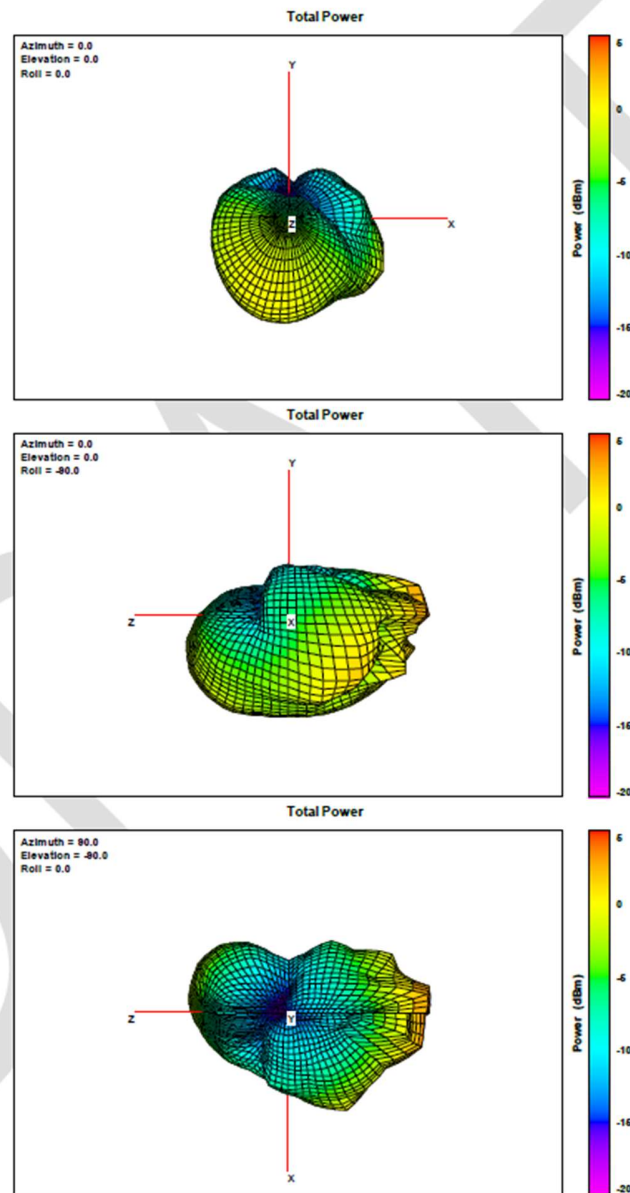


2500MHz

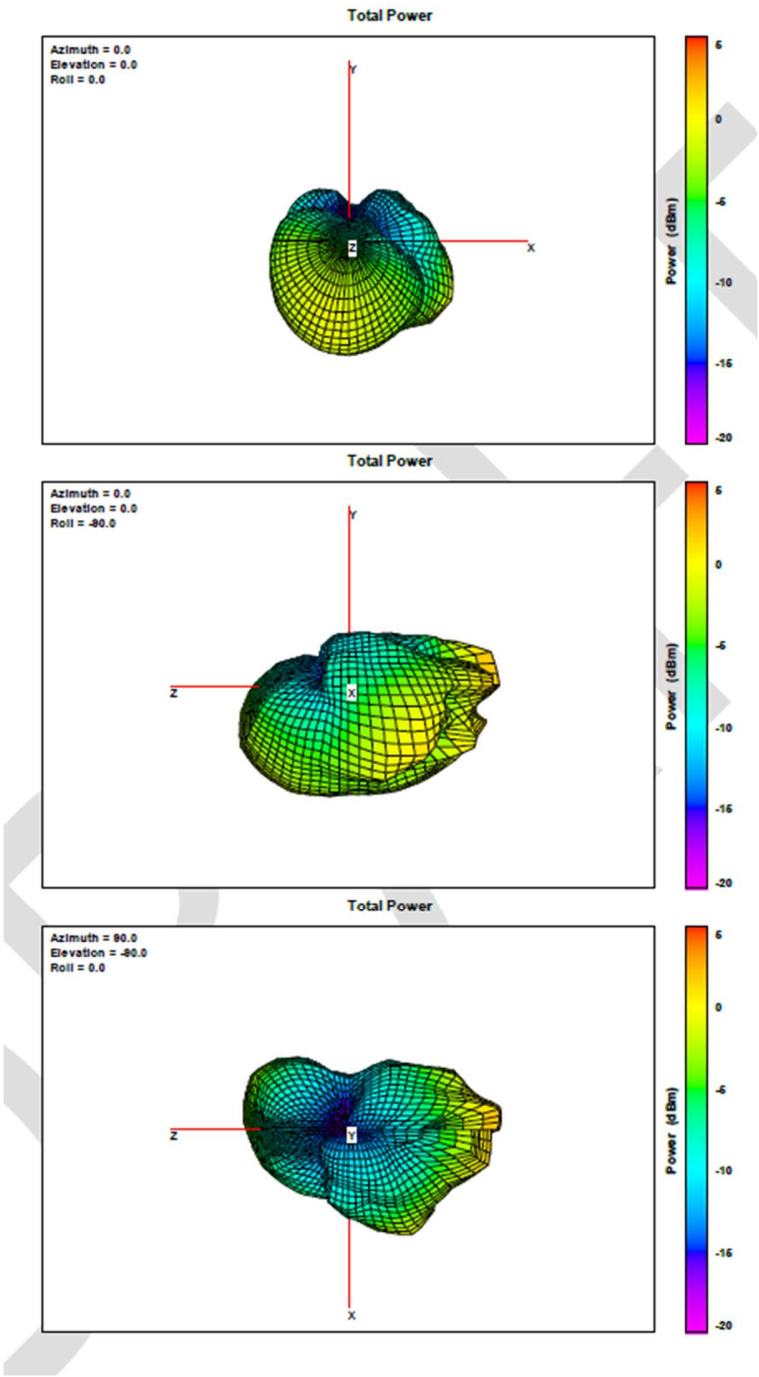


3-D Antenna Pattern

2400MHz



2450MHz



2500MHz

